

**PATENT**  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Attorney Docket No. 1053.001B

In re application of: Gary W. Elko, Robert A. Kubli, and Jens M. Meyer

Patent No.: US 7,587,054B2  
Issued: Sep. 8, 2009

For: Audio System Based on At Least Second-Order Eigenbeams

**PETITION FOR  
CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a Certificate of Correction listing errors that appear in the claims section of above-referenced patent.

In column 35, lines 25-28, please replace " $(\nu_s, \phi_s)$  are spherical coordinate angles of sensor s in the microphone array; coordinate angles  $(\nu_s, \phi_s)$ ; and

$Y_n^{m'}(\nu_s, \phi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical"

with --  $(\vartheta_s, \varphi_s)$  are spherical coordinate angles of sensor s in the microphone array;

$Y_n^{m'}(\vartheta_s, \varphi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical coordinate angles  $(\vartheta_s, \varphi_s)$ ; and--. Support for this correction is found on page 12, lines 5-7, the amendment filed on 05/05/2008.

In column 35, line 29, please replace " $(\nu_s, \phi_s)$ " with --  $(\vartheta_s, \varphi_s)$  --. Support for this correction is found on page 12, line 8, the amendment filed on 05/05/2008.

In column 35, line 31, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 12, line 9, the amendment filed on 05/05/2008.

In column 37, line 37, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 11, line 5, the amendment filed on 05/05/2008.

In column 37, line 39, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 11, line 6, the amendment filed on 05/05/2008.

In column 37, lines 40 and 41, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 11, line 7, the amendment filed on 05/05/2008.

In column 37, line 42, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 11, line 8, the amendment filed on 05/05/2008.

In column 37, line 44, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 11, line 9, the amendment filed on 05/05/2008.

In column 39, line 26, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 13, line 5, the amendment filed on 05/05/2008.

In column 39, line 28, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 13, line 6, the amendment filed on 05/05/2008.

In column 39, lines 29 and 30, please replace " $(V_s, \phi_s)$ " with  $--(\vartheta_s, \varphi_s)--$ . Support for this correction is found on page 13, line 7, the amendment filed on 05/05/2008.

In column 39, line 31, please replace " $(V_s, \phi_s)$ " with  $-(\vartheta_s, \varphi_s)$ -. Support for this correction is found on page 13, line 8, the amendment filed on 05/05/2008.

In column 39, line 33, please replace " $(V_s, \phi_s)$ " with  $-(\vartheta_s, \varphi_s)$ -. Support for this correction is found on page 13, line 9, the amendment filed on 05/05/2008.

[X] The Commissioner is hereby authorized to charge payment of any fees required under 37 CFR §§ 1.20(a) associated with this communication or credit any overpayment to **Mendelsohn, Drucker, & Associates, P.C. Deposit Account No. 50-0782.**

Respectfully submitted,

Date: 05-26-2010  
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Enclosures

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : US 7,587,054 B2

DATED : Sep. 8, 2009

INVENTOR(S) : Gary W. Elko, Robert A. Kubli, and Jens M. Meyer

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In column 35, lines 25-28, please replace "(  $V_s, \phi_s$  ) are spherical coordinate angles of sensor s in the microphone array; coordinate angles (  $V_s, \phi_s$  ); and

$Y_{n'}^{m'} ( V_s, \phi_s )$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical" with --  
( $\vartheta_s, \varphi_s$ ) are spherical coordinate angles of sensor s in the microphone array;

$Y_{n'}^{m'} ( \vartheta_s, \varphi_s )$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical coordinate angles  
( $\vartheta_s, \varphi_s$ ); and--;

In column 35, line 29, please replace "(  $V_s, \phi_s$  )" with --(  $\vartheta_s, \varphi_s$  )--;

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In column 39, lines 29 and 30, please replace "(  $V_s, \phi_s$  )" with --(  $\vartheta_s, \varphi_s$  )--;

MAILING ADDRESS OF SENDER:

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In column 39, line 33, please replace "(  $V_s, \phi_s$  )" with  $-(\vartheta_s, \varphi_s)$  --.

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